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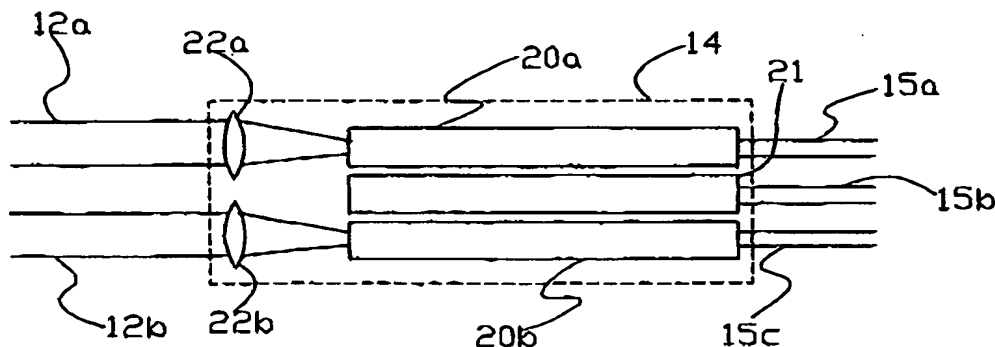
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- (71) Applicant (for all designated States except US): **NED-ERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO [NL/NL]; Schoemakerstraat 97, NL-2628 VK Delft (NL).**
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **CHENG, Lun Kai [NL/NL]; Treviso 56, NL-2921 BJ Krimpen a/d IJssel (NL).**
- (74) Agent: **PRINS, A.W.; NIEUWE PARKLAAN 97, NL-2587 BN DEN HAAG (NL).**
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(54) Title: **DEVICE FOR MEASURING AN OPTICAL PATH LENGTH DIFFERENCE**



(57) Abstract: In measuring an optical path length difference, light from a light source is guided through a first and a second path. A three-way coupler combines light from the first and the second path in at least three combinations with at least three mutually different added relative phase displacements. A detector measures interference intensities of the at least three combinations. From the intensities, a calculation unit determines a phase difference between the light from the first and second path while eliminating an effect of a contrast between the light from the first and second path.

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